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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/867,634	05/31/2001	Tomoo Hirota	Q64771	7167
23373 7.	590 02/09/2005		EXAMINER	
SUGHRUE MION, PLLC			JONES, HUGH M	
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037			2128	
			DATE MAIL ED: 02/00/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.	Applicant(s)				
09/867,634	HIROTA, TOMOO				
Examiner	Art Unit				
Hugh Jones	2128				
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May 2001.					
This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
n. awn from consideration. for election requirement.					
e drawing(s) be held in abeyance. See ction is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
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Paper No(s)/Mail Da 3) 5) D Notice of Informal P	(PTO-413) ate atent Application (PTO-152)				
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#### **DETAILED ACTION**

1. Claims 1-12 of U.S. Application 09/867,634 are pending.

# Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
   The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In particular, the last limitation of the independent claims is indefinite because of the term "prescribed relation".

# Claim Interpretations

4. The broadest reasonable interpretation of the claim language has been give to the claims. It is interpreted that claims 5-6 and 11-12 refer to intended use. It is also interpreted that Applicants have admitted that limitations 1-2 of the independent claims and the intended use (structural analysis of pillars) are prior art. See pp. 1-3 (Related Background Art) of the specification. It is finally interpreted that the last limitation of the independent claims read on numerical convergence in a simulation.

## Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 6. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kashiwamura et al. or Applicant's Own Admission view of Amdursky et al.
- 7. Kasiwamura et al. disclose a design support method, including performance calculating and design variable determining (fig. 1, 12 and corresponding text) wherein the intended use is structural design of automobiles (line 2, col. 14 to line 45, col. 20).
- 8. Applicants have admitted that performance calculating and design variable determining where known in the art for structural design of automobiles (pp. 1-3, specification).
- 9. The base references do not expressly disclose the last limitation of the independent claims, as expressly recited. However, it is interpreted that the limitation reads on numerical convergence in a simulation.
- 10. Amdursky et al. disclose that iterative simulation techniques may suffer from convergence issues (See col. 2, lines 30-56), and discloses how to achieve convergence (lines 28-43, col. 5).
- 11. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the base references

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to take into the convergence issues because Amdursky et al. disclose that iterative simulation techniques may suffer from convergence issues (See col. 2, lines 30-56).

# **Conclusion**

# 12. Any inquiry concerning this communication or earlier communications from the examiner should be:

#### directed to:

Dr. Hugh Jones telephone number (571) 272-3781, Monday-Thursday 0830 to 0700 ET.

or the examiner's supervisor, Jean Homere, telephone number (571) 272-3780. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist, telephone number (703) 305-3900.

#### mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

## or faxed to:

(703) 308-9051 (for formal communications intended for entry)

or (703) 308-1396 (for informal or draft communications, please label "PROPOSED" or "DRAFT").

Dr. Hugh Jones

**Primary Patent Examiner** 

October 30, 2004

PRIMARY PATENTER 2100
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